

**The Knowledge Bank at The Ohio State University**

**Ohio State Engineer**

**Title:** Departments and Societies

**Issue Date:** 1940-03

**Publisher:** Ohio State University, College of Engineering

**Citation:** Ohio State Engineer, vol. 23, no. 4 (March, 1940), 13-18.

**URI:** <http://hdl.handle.net/1811/35689>

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# Departments and Societies

## TAU BETA PI

Meeting on February 7, 1940

Dean McQuigg spoke on "Problems Facing the Engineer". The talk was chiefly concerned with social developments confronting the engineer.

February 22 was selected as the date for the winter quarter smoker to which men eligible for membership will be invited.

Meeting on January 24, 1940

Mr. F. H. Bellows, personnel manager from the Ohio Brass Company, discussed factors which an interviewer considers. His talk was followed by a general discussion.

It was announced that the annual Spring Dance will be held at the new University Country Club on May 18, 1940.

Meeting on January 10, 1940

At the regular dinner meeting there was a general discussion of topics important to the student engineer. Chief among them was the question of expanding the engineering curriculum to cover five or six years.

## SOCIETY OF AUTOMOTIVE ENGINEERS

The Student Branch of the Society of Automotive Engineers sent three representatives to the thirty-fifth annual meeting of the Society of Automotive Engineers held in the Book-Cadillac Hotel in Detroit, Michigan, from January 15 to 19. Jack Clark, Tom Donahue and Bob Anderson were the lucky boys. They were in Detroit for two days of the convention and reported that the papers presented on the "Effects of Streamlining Airplane Cowls" and the "Correlation of Air Tunnel Testing to Actual Testing" were very interesting.

Mr. C. E. Weitz of the General Electric Institute presented a striking demonstration of recent and present lighting developments. In this demonstration was the "most powerful light in existence." It was enclosed in a small glass bulb about three inches long and a quarter of an inch in diameter. The light is used with a four-foot reflector and must be water cooled while in operation.

A full report of their nocturnal activities was given at the weekly Beta Pi meeting.

## TEXNIKOI

Texnikoi, activities honorary recognizing outstanding students in the College of Engineering extended invitations to fifteen juniors at the annual Engineers' Prom, February 2, 1940. The men were selected on a basis of exceptional personality and for outstanding work in campus activities. The "tapping" ceremony to pledge the initiates at the dance is a new procedure for the organization.

Formal pledging will take place on February 15 at the Theta Tau fraternity house. Those who will be pledged and their activities are:

Robert C. Berger, president of Kappa Psi, Concert Band, Marching Band, Orchestra, A.I.E.E., Quadrangle Jesters, and Phi Gamma Delta; Charles A. Bangert, Ohio State Engineer, Engineer's Council, A.S.M.E., Quadrangle Jesters, and Theta Tau; Seymour K. Browne, Ohio State Engineer, Tau Beta Pi, Scarlet Mask, Marching Band, A.S.M.E., Scabbard and Blade, Theta Tau, and Interfraternity Pledge Council; Richard M. Hardin, S.S.I.E., Quadrangle Jesters, Strollers, Kappa Sigma (president), Freshman Activities Committee; John D. Ireland, Ohio State Engineer, Student Senate, Phi Eta Sigma, Scarlet Key, swimming team manager, Pistol Club, Kappa Sigma, and Junior Class Cabinet; Joseph T. McQuaide, Ohio State Engineer, Engineer's Council, Tau Beta Pi, Keramos, Phi Eta Sigma, Tower Club, Pershing Rifles, Scabbard and Blade, Ohio Staters, Quadrangle Jesters, Rifle Club, A.C.S., Pistol Club; Donald E. Postlewaite, Ohio State Engineer, Keramos, Phi Eta Sigma, A.C.S., Quadrangle Jesters; James R. Robinson, Engineers' Council, Tau Beta Phi, Phi Eta Sigma, Tower Club, Glee Club, A.I.C.E., Freshman Activities; Lester E. Samstag, Engineers' Council, Sigma Gamma Epsilon, A.I.C.E., Intramural athletics; Rollin C. Smith, A.S.M.R., S.S.I.E., A.C.S., Quadrangle Jesters, Scarlet Mask, Sigma Delta Psi, Pistol Club, Scabbard and Blade, and A.T.O.; Richard S. Snyder, Ohio State Engineer, Engineers' Council, S.S.I.E., Quadrangle Jesters, Theta Tau; Ivan W. Spraitzer, Ohio State Engineer, A.S.M.E., S.S.I.E., Scabbard and Blade, Theta Tau; Harry C. Thoben, Ohio State Engineer, Buckeye Club, Newman Club, A.S.M.E., S.S.I.E., and Scabbard and Blade; Roy T. Underwood, Ohio State Engineer, Engineers' Council, Ohio Stater, A.S.C.E., Quadrangle Jesters, Sigma Chi; Claude White, Jr., Varsity Football, A.S.C.E., Scabbard and Blade, and Ohio Stater.

The "rough" initiation will take place on Friday, April 5, 1940 in the usual custom of having the pledges dressed in Tux shirts and coats with boots and breeches completing the ensemble. On Friday noon the neophytes gather in front of the Chemistry Building and construct a huge Texnikoi Key of brick.

On Saturday, April 6, the Formal Initiation will take place at a downtown hotel and the newly elected members will receive their keys.

## ETA KAPPA NU

Eta Kappa Nu is the scholastic honorary for Electrical Engineers. It is a national honorary fraternity, with many active graduate groups. The local chapter has about 23 members at the present time, which includes undergraduate and graduate students, and faculty members. Juniors and seniors in the upper quarter of their classes are eligible for consideration. Prof. E. M. Boone is the faculty adviser. The present officers are:

Pres. Kenneth Miller  
V.-Pres. Joseph Fenwick  
Secy. Nye Scofield  
Treas. J. E. Williams.

In its social activities, the organization tries to create closer fellowship among the students and between students and faculty. Our latest venture was a formal dinner before the Engineer's Prom, jointly sponsored with the A. I. E. E. True to tradition, this annual dinner was a great success; being attended and enjoyed by a good representation of both students and faculty.

Besides social events, other worthwhile activities are sponsored by Eta Kappa Nu. Recently we cooperated with the College of Education in taking a new form of intelligence test. They hope to determine the relative aptitude for reasoning of engineers and other university students.

We already have plans under way for our exhibits for Engineer's Day. This year promises to be a big year for the EE's and for Eta Kappa Nu.

Robert P. Stone.

## OHIO STATE RADIO CLUB

Recently changes in the main No. 1 transmitter of W8LT were made by placing new high-power tubes in the final amplifier stage. These new tubes allow a full 1000 watts input to the transmitter to be used, the maximum specified by the Federal Communications Commission for amateur service.

Other new equipment placed in service in the station within the last month include a Hallicrafters Precision Frequency Standard, used to check frequencies of transmission, and a pair of new type TZ-40 modulator tubes for the main transmitter. The major portion of the No. 2 transmitter is now completed, and is housed in its new cabinet. Parts are on hand for the construction of a new ultra-high frequency transmitter which will operate on five and ten meters.

Seventy per cent of the membership of the Club is now licensed, and those unlicensed are striving to attain the code and theory proficiency necessary to pass the examination.

Sergeant Paul Desguin, Department of Military Science, was guest speaker at a dinner meeting of the Club held January 29. The next dinner meeting is scheduled for February 26.

J. M. S.



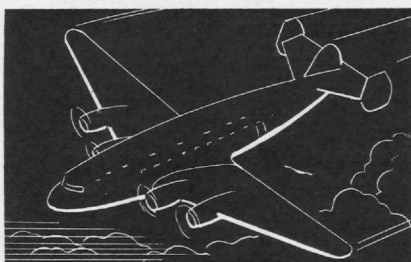
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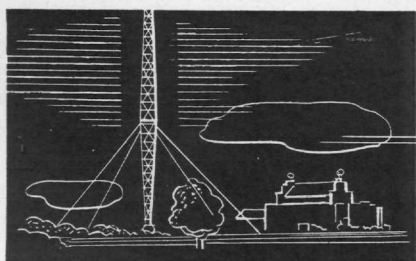


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## AMERICAN INSTITUTE OF CHEMICAL ENGINEERS

The Ohio State Student Branch of the American Institute of Chemical Engineers had two dinner meetings at Pomerene this last month.

The first, on January 18, was featured by Dr. Withrow's interesting and informative discussion of the Exposition of Chemical Industries held in New York City last December and of the meeting of the American Engineers Council at Washington, D. C. In his talk he stressed the associations made and renewed at these meetings.

At this meeting Mr. Strobel, chairman of the dance committee, announced that the annual A. I. C. E. dance will be held in the spring quarter in the Armory. The definite date has not been set as yet.

Professor Carl Norman, of the Department of Mechanical Engineering discussed "Industrial Hygiene" at the meeting of February 8. He presented the idea that modern industry exists for the human being rather than for the purpose of making money as in the past.

A committee to handle the activities of the A. I. C. E. and the Department of Chemical Engineering in the Engineers' Day Celebration was selected. This group headed by Chairman Caddell consists of Archman, Adavasio, Cheney and Jacobson.

### A. I. E. E.

Student activity featured throughout the entire program of the Electrical Engineer's regular meeting on February 1. Besides an interesting discussion presented by Arthur Lee on his personal interview with Proctor and Gamble at Cincinnati, elaborate plans were formulated for the Electrical exhibit on the forthcoming "Engineers' Day" this spring.

In a brief but descriptive manner, Mr. Arthur Lee related to the group the impression he received from the officials that interviewed him. As a whole, they seemed to be more interested in activities than anything else. Only two of the dozen or so interviewed even mentioned grades and that was as far as they carried the subject.

They definitely were all for the concern and tried to "sell" the company to these prospective employees. The question they asked most often from the person being interviewed seemed to be, "What specific type of engineering work would you be interested in doing?"

"I didn't know the first interviewer that asked me this question," explained Mr. Lee, "and he caught me off guard, for I was not expecting such a question. After a moment of deliberation I replied, 'I would like to be a plant manager.' 'That's fine!' He said, 'I ought to know because I happen to be the present plant engineer!'"

The "Engineers' Day" committee headed by Frank Lowry and Carl Scullin enumerated the many plans for clever and educational exhibits that they had ar-

ranged for the occasion. The instructors present added to his list with many new suggestions. After this, volunteers were asked for each project and the group responded so well that there are now several persons on each exhibit.

Chairman L. Kempton announced that tickets were now on sale for a Buffet Luncheon at Hotel Fort Hayes in connection with the coming Broadcasting Conference. Major Armstrong, famous inventor of radio grid tubes and other pieces of equipment will be the speaker.

At their first regular meeting of the quarter, on February 18, the Electricals started their new ruling on admitting new members into the A. I. E. E. Each applicant must be presented before the group and voted into the organization before he can officially become a member. All the applicants present were accepted as new members.

Professor S. O. Evans presented an educational talk on the organization of General Electric Co. He is very well qualified on this subject and presented it in a very informative manner. Having passed G. E.'s advanced course at their factory in Schenectady, N. Y., he explained all the duties of the engineer after passing this test course.

The Electricals held their formal dinner at Beechwood on February 2 before the Engineers' Prom. Most of the faculty were present for the occasion and a large representation of Juniors and Seniors mingled among the "Profs" for the evening. Professor W. Everitt was the speaker.

### KERAMOS

Thursday night, January 18, at 6:30 P. M., Keramos held its first meeting of the new year at the Dutch Tavern. President Bob Newton introduced the application for a charter of Keramos by Virginia Polytechnic Institute. The application booklet was carefully examined by the members and the charter was approved by the Ohio State Chapter unanimously.

Reports on the progress of the study on tunnel kilns show that letters have been sent to the manufacturers of tunnel kilns, and that one of them has answered and offered suggestions and revisions to be made in the questionnaires to be sent to tunnel kiln operators and also included a list of these operators now using this manufacturer's product. The first quarterly issue of current enameling abstracts from recent publications was completed and mailed to about one hundred enameling companies.

Arrangements were being completed for the Keramos Open House by Chairman Don Postlewaite. This is being planned for early in February and will give the freshmen, sophomores, juniors and seniors in Ceramic Engineering an opportunity to become acquainted with Keramos members and the purposes of the organization.

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## STUDENT BRANCH OF AMERICAN CERAMIC SOCIETY

The student Branch of the American Ceramic Society held a meeting on Wednesday, January 17, 1940, in Room 125, Lord Hall, at 7:30 P. M.

Mr. Hoelscher presented an athletic report which indicated that the juniors would have a good team, but that the seniors would require the aid of the sophomores. Mr. Jacobi modestly admitted that the juniors were doing all right.

The group debated on a proposal by President Petty to have the society picture in the Makio. This proposal was approved.

Robert Newton announced the annual Engineer's Prom to be held February 2, 1940, in the Men's Gymnasium. He also proposed a pre-dance dinner to be given for those students attending the dance. Those supporting this project must sign an agreement to attend this dinner at which there will be a speaker. The dinner will be held at Pomerene Hall.

Dr. M. C. Shaw spoke on "Pyrometric Cones" and used a chart showing maturing ranges for the cones under slow and fast heat rate advances. He permitted an open discussion and answered questions of the group.

Pictures were snapped by Professor Watts for use in the Ohio State Engineer. "Hot dogs" served to conclude the evening's festivities.

The second meeting of the month was held by the Student Branch of the American Ceramic Society, January 30, 1940, in Room 125, Lord Hall, Ohio State University.

The business consisted of announcements concerning the basketball victory over the Mining-Metallurgy team and the completed plans for the ceramic engineers' pre-dance dinner at which Professor Carruthers, Ceramic Department, will act as toastmaster and Professor Weed, Ohio State University Experiment Station, as guest speaker. There is an expected attendance of thirty couples.

Professor Carruthers announced that the five juniors carrying two or more subjects in ceramic engineering and receiving the highest point hour ratio in these subjects would receive a catalog from a ceramic publication company as a reward.

Professor H. E. Nold, Department of Mine Engineering at O. S. U., spoke on "Impressions a Miner Gets from the Ceramic Industry." He discussed the various mining problems encountered in the industry and emphasized the necessity for the ceramic engineer to be familiar and capable of solving these problems. He used many illustrations of faulty and good mining practices from actual experience to illustrate his points and show their effect on the operation of the plant.

## S. S. I. E.

The first meeting of the quarter was a smoker held at the Kappa Sigma fraternity house, January 17. Russ Bartholemew acted as toastmaster introducing the speaker of the evening, Mr. E. C. Welsh, of the Economics Department. His topic was "Recent Developments in Our Foreign Policy". Mr. Welsh discussed the trade barriers on American industry and some methods used to avoid them without discriminating against anyone. Certain unreasonable measures and their results were brought to the attention of the group, along with the effect of the present war on international trading.

During the business meeting it was voted that flowers be sent to "Doc." We all hope for his quick recovery and return to the old stamping ground.

After a discussion, Dick Snyder and Don Clague were appointed to a committee to investigate keys for the society.

The election of officers was brought up and it was decided that at the meeting of February 14, nominations would be open. At the last meeting of the quarter the candidates would be voted on, the elected to take office at the beginning of the spring quarter.

It seems as though the well-known "Eye" is, very much all seeing. The latest edition covered just about everybody in the department, including your reporter. It is farthest from his mind, however, that he run the "Eye" out of business. The bits here are mere side-lights and additions.

The latest development in the S. S. I. E. is the new and exclusive "Women Haters' Club." The president is "Rah Rah" Detwiler, and the vice-president is C. (Cassanova) Oster. The club functions on the principal that on dates the girl must drive her car and the member must hate her all the time. Try it sometime and see how difficult it is to get into this organization. The chief hater of the outfit is Jim Brown, who can hate any girl to pieces.

The S. S. I. E. annual picnic is not far off now and we are looking around for possible locations. We would like to hear from everybody who have any good suggestions of a peaceful riverside park where we can all have a quiet game of bridge or chess.

BETTER

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